

Ceramicrete Patents

U.S. Patents

1. Method of waste stabilization with dewatered chemically bonded phosphate ceramics, Arun S. Wagh, and M. David Maloney, U.S. patent no. 7,745,679, June 29, 2010.
2. Ceramicrete Stabilization of U- and Pu-Bearing Materials, A. S. Wagh and David M. Maloney, U.S. Patent no. 7,294,291.
3. Chemically bonded phosphate ceramic sealants for oil field applications, U.S. patent no. 7,438,755, October 21, 2008.
4. Light weight phosphate cements, Arun S. Wagh, Ramkumar Natarajan, and David Kahn, U.S. Patent no. 7,674,333, March 9, 2010.
5. Method and product for phosphosilicate slurry for use in dentistry and related bone cements, Arun S. Wagh and Carolyn Primus, U.S. patent US 7,083,672 B2, granted August 1, 2006.
6. Canister, sealing method, and composition for sealing a borehole, D. Brown and Arun S. Wagh, U.S. patent 6,910,537 B2 issued June 28, 2005
7. Construction Material, A. S. Wagh, Patent no. 7,402,542.
8. Formation of chemically bonded ceramics with magnesium dihydrogen phosphate-binder, S.-Y. Jeong and A. S. Wagh, U.S. Patent 6,776,837 issued August 17, 2004.
9. Corrosion protection, D. Brown (LANL) and A. S. Wagh, U.S. Patent 6,569,263 issued May 27, 2003.
10. Downhole sealing method and composition, D. B. Brown (LANL) and A. S. Wagh, U.S. Patent No. 6,561,269 issued 5/13/03.
11. Chemically bonded phospho-silicate ceramics, A. S. Wagh, S. Y. Jeong, Dirk Lohan, and Anne Elizabeth, U.S. Patent No. 6,518,212 issued 2/11/03
12. Chemically bonded phosphate ceramics of trivalent oxides of iron and manganese, A. S. Wagh and S. Y. Jeong, U.S. Patent No. 6,498,119 issued 12/24/02.
13. Pumpable/injectable phosphate bonded ceramics, D. Singh, A. S. Wagh, L. Perry, and S.-Y. Jeong, U.S. Patent No. 6,204,214, issued March 20, 2001.
14. Polymer coating for immobilizing soluble ions in a phosphate ceramic product, D. Singh, A. S. Wagh, and K. Patel, U. S. patent 6,153,809 issued 11/28/00
15. Phosphate bonded structural products from high volume wastes, D. Singh and A. S. Wagh, U.S. Patent No. 5,846,894 issued 12/8/98.
16. Method of waste stabilization via chemically bonded phosphate ceramics, A. S. Wagh, D. Singh, and S.-Y. Jeong, U.S. Patent No. 5,830,815, issued 11/03/98.
17. Method for producing chemically bonded phosphate ceramics for stabilizing contaminants encapsulating therein utilizing reducing agents, D. Singh, A. S. Wagh, and S.-Y. Jeong, U.S. Patent No. 6,133,498 issued 11/17/00.

18. Method for stabilizing low-level mixed wastes at room temperature, A. S. Wagh and D. Singh, U.S. Patent No. 5,645,518 issued 07/08/97.
19. Quick-setting concrete and a method for making quick-setting concrete, A. S. Wagh, D. Singh, J. D. Pullockaran, and L. Knox, U.S. Patent No. 5,624,493 issued 04/29/97.
20. Method of Binding Structural Material, A. S. Wagh, Patent no. 7,312,171.

International patents

1. European patent, Pumpable/Injectable phosphate-bonded ceramics, EP 119,527, August 6, 2012.
2. Canadian patent 2,618,159, (Oil Well) April 26, 2011
3. Canadian patent 2,579, 295 (Oil Well) July 6, 2010

Trademark:

1. Certificate of registration for the Ceramicrete design, A. S. Wagh and D. Singh, Trademark issued to the University of Chicago by the U.S. Patent and Trademark Office, 5/25/04 under Registration No. 2,565,770